



AFFORDABLE COMFORTABLE ADAPTABLE

PASSIVE STRATEGIES Building energy demand reduction through architectural design

Building energy supply through machine equipment!

simple building geometry-R30 required wallsnatural lighting/ventilation LED lighting-

-solar panels -LED lighting

-forced air heat pump

-grid tied turbine

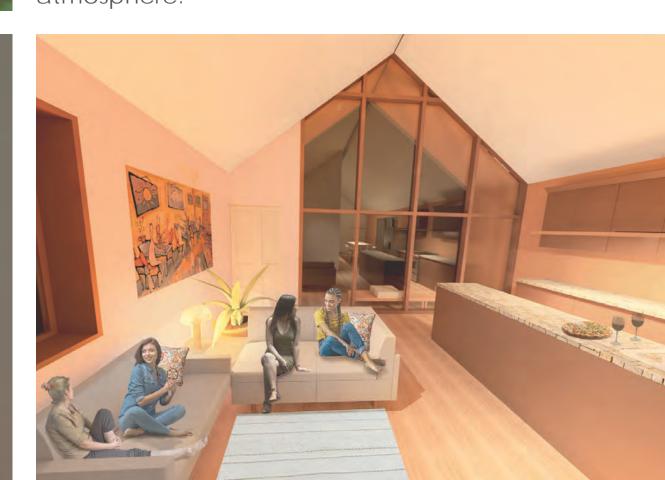
ACTIVE STRATEGIES

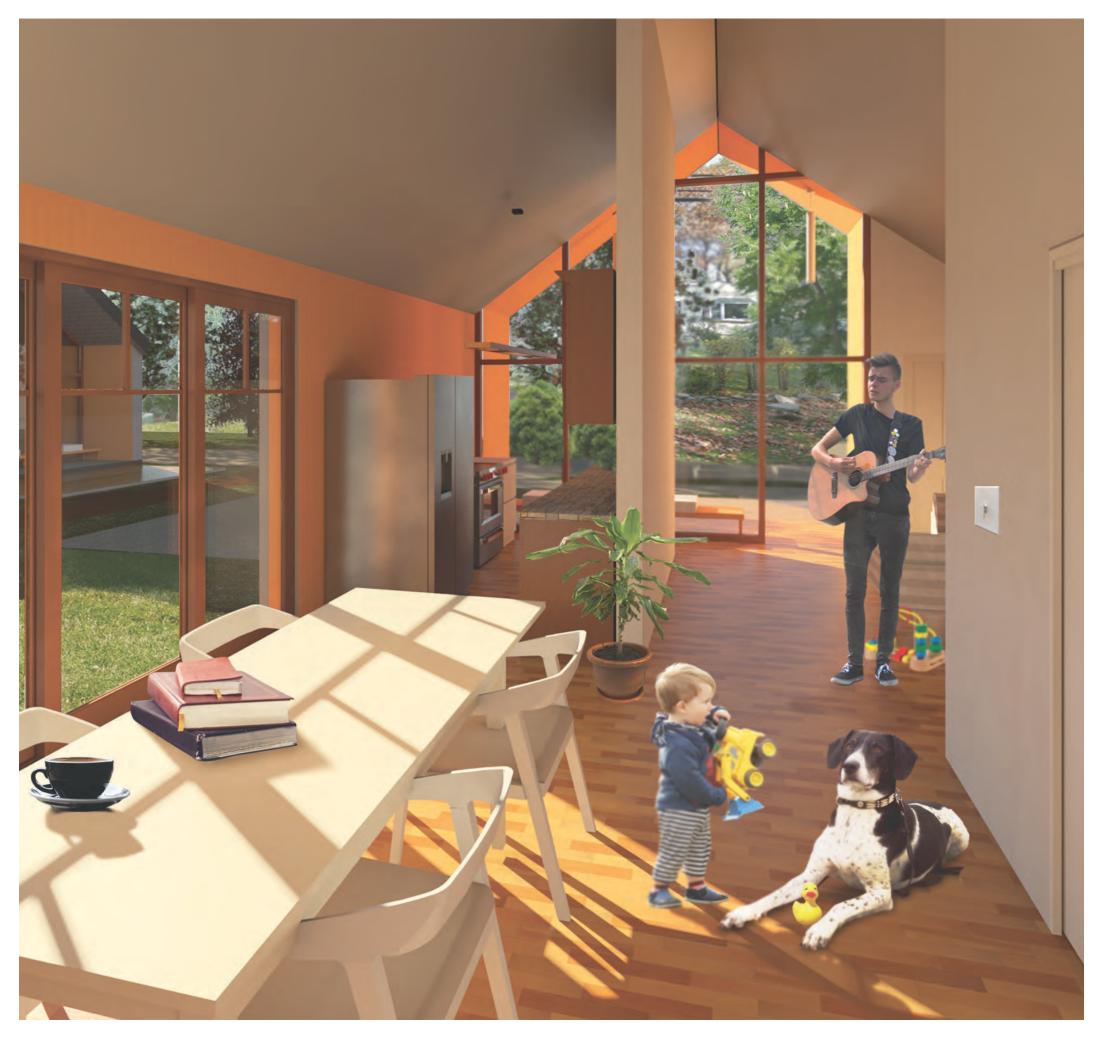
ZERO NET ENERGY PLAN



Located on Burt's Pit Road in Northampton MA, this affordable housing community was assembled specifically minding access to the surrounding landscape, building sustainability, and confluence of daily functions. Utilizing the sheds for solar panels and wind generators will allow residents to live comfortably with renewable energy and help set an example for other projects in the area. Energy savings will also benefit from

the unit's small footprints which help to unify the compact site. The 1,000 sf and down unit's are complimented by high ceilings and streamlined layouts, which provide residents the essentials along with a free & motivational atmosphere.







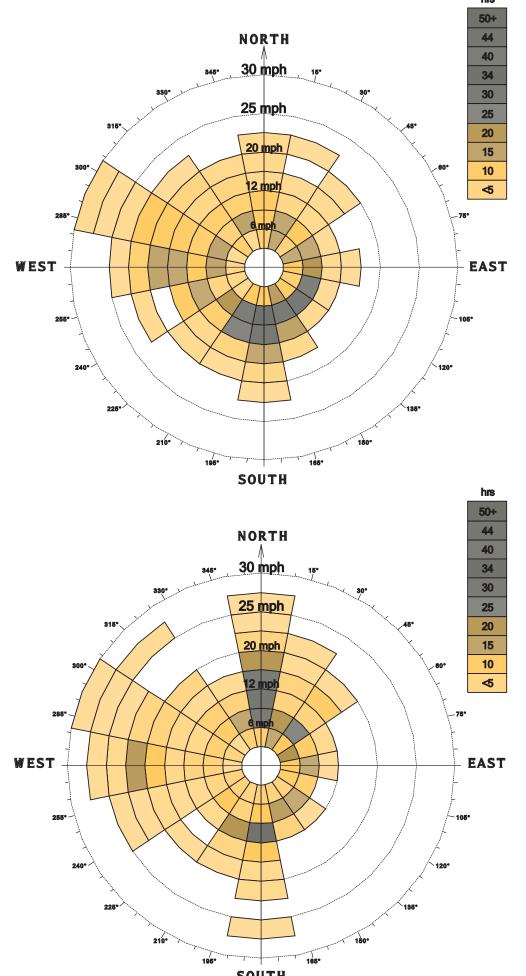


PREVAILING WINDS SUMMER

WIND FREQUENCY (HRS)

Location: Chicopee Falls Westo, USA

Date: June 1st - June 30th



PREVAILING WINDS WINTER

WIND FREQUENCY (HRS)
Location: Chicopee Falls Westo, USA
Date: Dec. 1st - Dec. 31st

